

PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF
MD 349 (NANTICOKE ROAD) AT PARSONS ROAD IN WICOMICO COUNTY.

WB PARSONS ROAD IS BEING WIDENED TO ACCOMMODATE A LEFT TURN LANE.

INTERSECTION OPERATION

THE EXISTING CABINET/CONTROLLER SHALL BE USED. THE INTERSECTION WILL BE MODIFIED TO OPERATE IN A FULLY ACTUATED
MODE USING 5 NEMA PHASES. THE MD 349 THROUGH MOVEMENTS WILL OPERATE CONCURRENTLY WITH A CONCURRENT PEDESTRIAN
MOVEMENT ACROSS THE EAST LEG OF THE INTERSECTION. THERE WILL BE AN EXCLUSIVE/PERMISSIVE LEFT TURN PHASE FOR
THE WESTBOUND MOVEMENT OF PARSONS ROAD. THE PARSONS ROAD THROUGH MOVEMENTS WILL OPERATE CONCURRENTLY.

THERE IS A PREEMPTION PHASE FOR MD 349.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. GENE COFIELL, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 677-4040
MR. RAVINDRA GANVIR, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (410) 677-4020
MR. JAMES WRIGHT, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 677-4010
MR. BRUCE POOLE, UTILITY ENGINEER
PHONE: (410) 677-4082
MR. EDWARD RODENHIZER, SIGNAL OPERATIONS
PHONE: (410)-787-7652

THE POWER COMPANY REPRESENTATIVE IS:

2. APS WILL FUNCTION AS FOLLOWS:
FOR PARSONS ROAD:

- A. WHEN PEDESTRIAN LOCATES AND PRESSES PUSHBUTTON FOR AN EXTENDED TIME, THE
PUSHBUTTON UNIT WILL BE "WAIT TO CROSS PARSONS AT NATICOKE CROSSWALK ANGLES LEFT".
B. WHEN WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR
THE DURATION OF THE WALK PHASE.

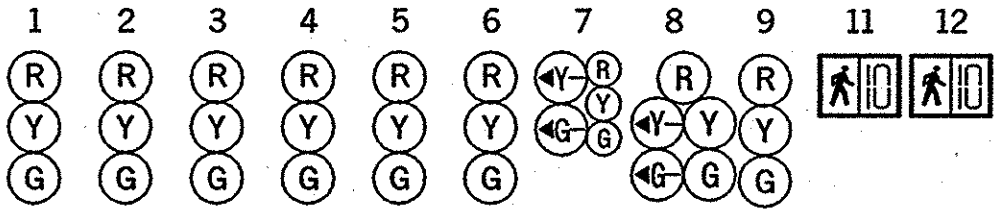
EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.
NONE.

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

QUANTITY	UNITS	DESCRIPTION
LUMP SUM	LS	MAINTENANCE OF TRAFFIC
LUMP SUM	LS	MOBILIZATION
2	EA	10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE
1	EA	VIDEO DETECTOR MINI HUB
1	EA	VIDEO DETECTOR INTERFACE PANEL (1 PER EVERY 4 CAMERAS)
2	EA	VIDEO DETECTOR CAMERA AND CABLE (2-400 LF)
2	EA	AUDIBLE PEDESTRIAN PUSHBUTTON ASSEMBLY WITH PUSHBUTTON SIGN
1	EA	APS 2-WIRE CENTRAL CONTROL UNIT
1	EA	12 IN. 3-SECTION LED SIGNAL HEAD - MAST
1	EA	12 IN. 5-SECTION LED SIGNAL HEAD - MAST
1	EA	8 IN./ 12 IN. (8 in. R.Y.G 12 in. Y.A.GA) 5-SECTION LED SIGNAL HEAD - MAST
2	EA	16 IN. 1-SECTION, 1-WAY LED (COUNTDOWN) PEDESTRIAN SIGNAL HEAD - POST TOP
1	EA	30 IN. X 36 IN. R3-5 REGULATORY SIGN - MAST ARM
1	EA	HANDHOLE
450	LF	3-CONDUCTOR CABLE (NO. 14 AWG)
460	LF	5-CONDUCTOR CABLE (NO. 14 AWG)
340	LF	7-CONDUCTOR CABLE (NO. 14 AWG)
340	LF	BARE COPPER GROUND WIRE (NO. 6 AWG)
100	LF	3 IN. PVC CONDUIT [SCHEDULE 80] - TRENCHED
1.4	CY	CONCRETE FOUNDATION FOR TRAFFIC SIGNAL EQUIPMENT
1	EA	GROUND ROD - 3/4 IN. X 10 FT. LENGTH
1	EA	RAISE EXISTING HANDHOLE TO GRADE.
LUMP SUM	LS	REMOVE EXISTING SIGNAL EQUIPMENT.

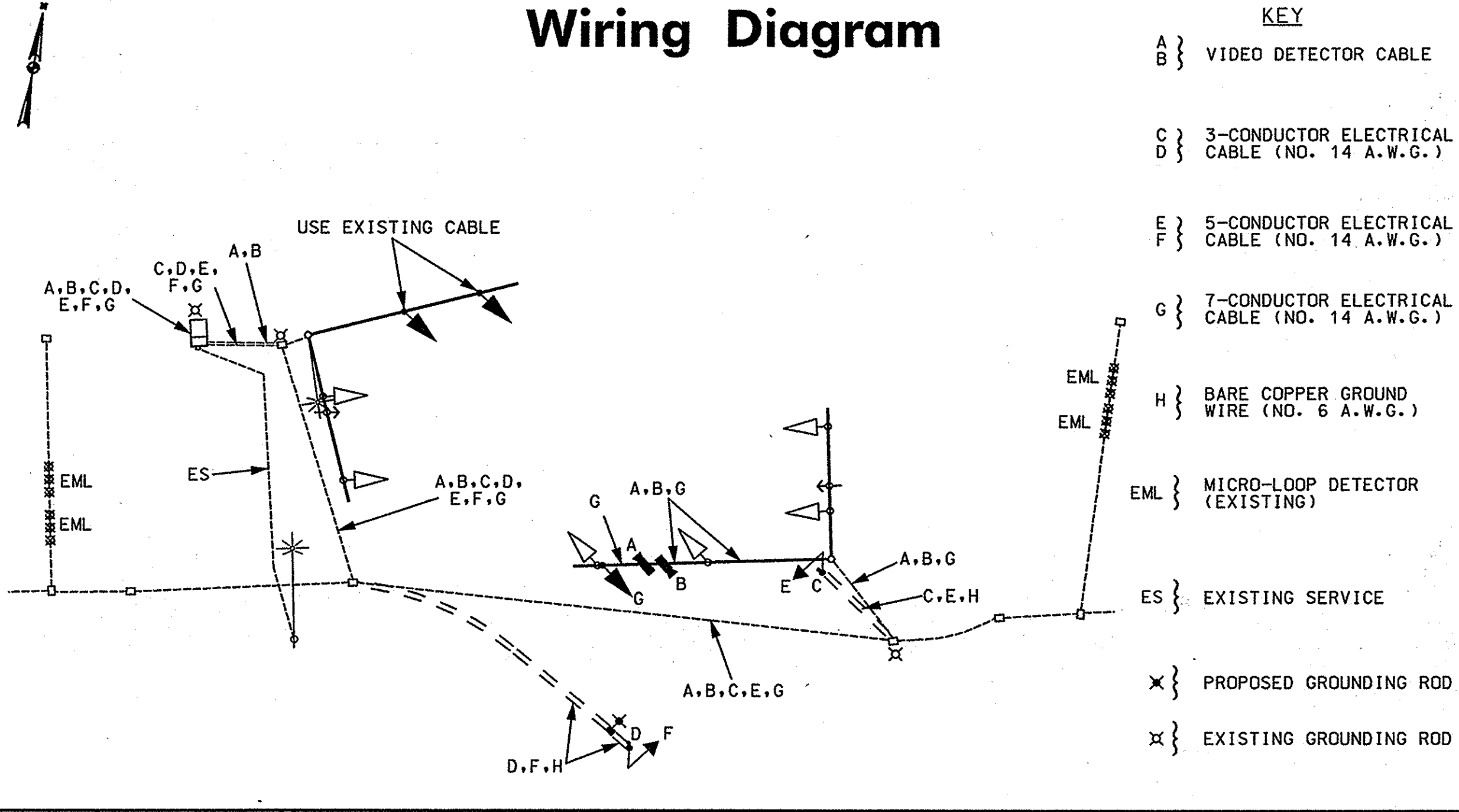
Phase Chart



PHASE 2 AND 6	G	G	G	G	R	R	R	R	R	WK	WK	
PED CLEARANCE	G	G	G	G	R	R	R	R	R	FL/DW	FL/DW	
2 AND 6 CHANGE	Y	Y	Y	Y	R	R	R	R	R	DW	DW	
PHASE 3 AND 8	R	R	R	R	R	R	←GG	←GG	G	DW	DW	
3 CHANGE	R	R	R	R	R	R	←YG	←YG	G	DW	DW	
PHASE 4 AND 8	R	R	R	R	G	G	G	G	G	DW	DW	
4 AND 8 CHANGE	R	R	R	R	Y	Y	Y	Y	Y	DW	DW	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	

PREEMPTION	G	G	G	G	R	R	R	R	R	DW	DW	
PREEMPTION CHANGE TO PHASE 2 + 6	G	G	G	G	R	R	R	R	R	DW	DW	

Wiring Diagram



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 349 (NANTICOKE RD) AT PARSONS ROAD

GENERAL INFORMATION SHEET

SCALE	NA	DATE	JULY 24, 2008	CONTRACT NO.	BW996M82
DESIGNED BY	J. STORCK	COUNTY	WICOMICO		
DRAWN BY	J. STORCK	LOGMILE	22034922.04		
CHECKED BY	J. STORCK	TIMS NO.	J182		
F.A.P. NO.	NA	TOD NO.			
TS NO. 4102B-GI	DRAWING	-	OF	SHEET NO.	2 OF 2

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